

Occupation: Cyber Security Support Technician		ONET Code 15-1122	
		RAPIDS Code	
OCCUPATIONAL OVERVIEW			
Potential Job Titles: Cyber security analyst, cyber security monitor, vulnerability analyst, information systems security analyst, network security analyst			
Occupational Context: Cyber security support technicians and analysts can be employees of small to large companies, non-profits and government agencies, can be outside contractors that provide services to other organizations, and can be self-employed or start their own service company.			
Occupational Purpose: Cyber security professionals work to maintain the security and integrity of information technology systems, networks and devices. According to the National Cybersecurity Workforce Framework, cyber security professionals perform one or more of the following functions: securely provision, operate and maintain, protect and defend, investigate, collect and operate, analyze and provide oversight and development.			
Occupational Pathways: Cyber security support technicians, with experience and additional certifications, can move into a variety of positions, including security analyst, network security engineer, information systems security manager and information assurance security officer.			
Attitudes & Behaviors: Cyber security support technicians need to be detail oriented, enjoy working with technology, apply logic to solve complex problems and work with a wide range of people, including other technical staff as well as non-technical uses of information technology equipment and systems. These individuals also need to have patience and be able to review large amounts of data to identify and mitigate against potential vulnerabilities or threats.			
Certification or Licensure: CompTia Security+ (Certification) Certified Information Systems Security Professional (CISSP) (Certification)		Accrediting Organizations: Multiple software and hardware vendors offer certification opportunities to demonstrate a wide range of competencies and that enable an individual to continue expanding their knowledge and skills throughout their career. Among those vendors and organizations well known to provide certification opportunities are: CompTIA, Cisco, Microsoft, (ISC)2.	
Large Employers	Trade Associations	Regulatory Agencies Department of Homeland Security National Institute of Standards and Technology Department of Defense Department of Treasury Federal Bureau of Investigation	
Number of current employees (2014-2024): 85,000			
Number of additional job openings predicted (2014-2024): 25,500			
Median Salary (2014): \$67,375 (depending upon years of experience and industry certifications)			
Job Function 1: Assists in developing security policies and protocols: assists in enforcing company compliance with network security policies and protocols			
Job Function 2: Provides technical support to users or customers			
Job Function 3: Installs, configures, tests, operates, maintains and manages networks and their firewalls including hardware and software that permit sharing and transmission of information			
Job Function 4: Installs, configures, troubleshoots and maintains server configurations to ensure their confidentiality, integrity and availability; also manages accounts, firewalls, configuration, patch and vulnerability management. Is responsible for access control, security configuration and administration			

Job Function 5: Configures tools and technologies to detect, mitigate and prevent potential threats		
Job Function 6: Assesses and mitigates system network, business continuity and related security risks and vulnerabilities		
Job Function 7: Reviews network utilization data to identify unusual patterns, suspicious activity or signs of potential threats		
Job Function 8: Responds to cyber intrusions and attacks and provides defensive strategies		